



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of:

GOSAIN

Group Art Unit: 2813

Appln. No.: 09/362,055

Examiner: Schillinger, L.

Filed: August 28, 1999

TITLE: SEMICONDUCTOR DEVICE MANUFACTURING METHOD

September 14, 2001

AMENDMENT

Box Amendment
Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

In response to the Office Action dated June 14, 2001, please amend the above-identified application as follows.

IN THE CLAIMS:

Please amend claim 1 to read as follows:

-
1. (Three Times Amended) A semiconductor device manufacturing method comprising:
- forming a semiconductor film on a substrate;
- depositing a hydrogen-containing film on said semiconductor film; and
- irradiating a pulse energy beam to heat said hydrogen-containing film and thereby diffuse hydrogen in said hydrogen-containing film into said semiconductor layer;
- further comprising irradiating another pulse energy beam to crystallize or re-crystallize said semiconductor film after the step of forming said semiconductor film on said substrate and before the step of forming said hydrogen-containing film on said semiconductor film, an energy density of said pulse energy beam used for heating said hydrogen-containing film being set lower than an energy density of said another pulse energy beam being used to crystallize or re-crystallize said semiconductor film.
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Tanner
TECHNOLOGY CENTER 28003
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

2813
PATENT
APPLICATION

Inventor(s): GOSAIN

Appln. No.: 09

Series Code ↑

362,055

Serial No. ↑

Filed: August 28, 1999

Title: SEMICONDUCTOR DEVICE MANUFACTURING METHOD

Asst. Commissioner of Patents
Washington, D.C. 20231

Group Art Unit 2813

Examiner: Schillinger, R

Atty. Dkt. SNR 4275

M#

S99P0891US00

Client Ref

(Our Deposit Account No. 19-3140) 18 2001

(Our Order No. 9792909

C#

4275

M#

Date:

September 14, 2001

Sir:

REPLY/AMENDMENT/LETTER

This is a reply/amendment/letter in the above-identified application and includes the herewith attachment of same date and subject which is incorporated herein by reference and the signature below is treated as the signature to the attachment in absence of a signature thereto.

FEE REQUIREMENTS FOR CLAIMS AS AMENDED

1. "Small Entity" statement(s) filed

☐ previously
☐ herewith

(No.)

<input type="checkbox"/> previously <input type="checkbox"/> herewith	(No.)	Claims remaining after amendment	Highest number previously paid for		Present Extra	Large/Small Entity	Additional Fee	Fee Code
2. Total Effective Claims		11	**minus	20	0	x \$/\$ =	+ 0	103/203
3. Independent Claims		1	***minus	3	0	x \$/\$ =	+ 0	102/202
4. If amendment enters <u>proper</u> multiple dependent claim(s) into this application for <u>first</u> time (leave blank if this is a <u>reissue</u> application) add						+ \$/\$ =	+ 0	104/204
5. Original due Date: September 14, 2001		<input type="checkbox"/> NONE						
6. Petition is hereby made to extend the original due date to cover the date this response is filed for which the requisite fee is attached		(1 mo)	\$/\$ =	+ 0				
		(2 mos)	\$/\$ =					
		(3 mos)	\$/\$ =					
7. Enter any previous extension fee <u>paid</u> since above <u>original</u> due date and <u>subtract</u>						- 0		
8. Extension Fee Attached							+ 0	
9. If Terminal Disclaimer attached, <u>add</u> Rule 20(d) official fee						+ \$/\$ =	+ 0	148/248
10. If IDS attached requires Official Fee, add or if Rule 97(d) Petition add						+ \$ =	+ 0	126
						+ \$ =		122
11. After-Final Request Fee per rules 129(a) and 17(r)						+ \$/ =	+ 0	146/246
12. No. of additional inventions for examination per Rule 129(b)						x \$/ ea =	+ 0	149/249
13. Petition fee for							+	
14. TOTAL FEE ENCLOSED =							\$0	

15. *If the entry in this space is less than entry in next space, the "Present Extra" result is "0".

16. **If the "Highest number previously paid for" in this space is less than 20, write "20" in this space.

17. ***If the "Highest number previously paid for" in this space is less than 3, write "3" in this space.

CHARGE STATEMENT: The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficiencies only) now or hereafter relative to this application and the resulting Official Document under Rule 20, or credit any overpayment, to our Accounting/Order Nos. shown in the heading hereof, for which purpose a duplicate copy of this sheet is attached.

This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal sheet is filed.

Query: Is appeal deadline now? If so, file Notice of Appeals separately.

P.O. Box 061080 Wacker Drive
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Chicago, IL 60606-1080

Sonnenschein Nath & Rosethal

By Atty: Terrence M. Brennan

Reg. No. 42,360

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NOTE: File this cover sheet in duplicate with PTO receipt (PAT-103A) and attachments